

Patent Abstracts of Japan

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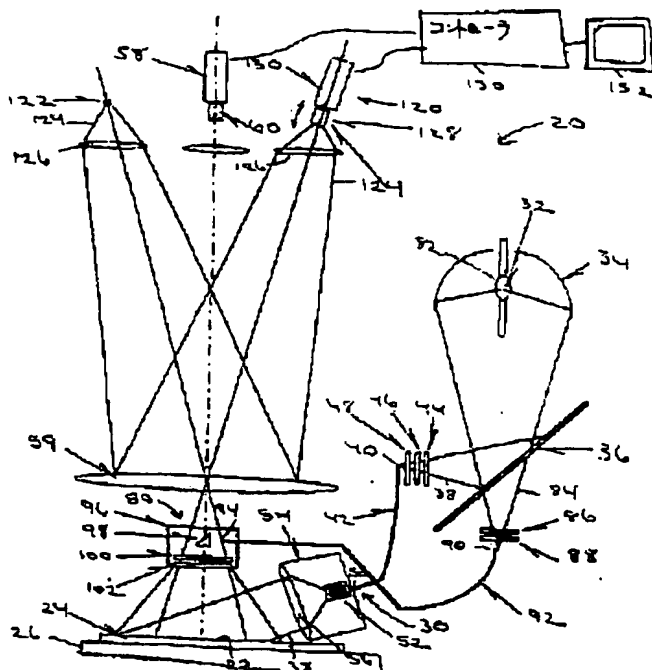
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TITLE : OPTICALLY SURFACE-INSPECTING APPARATUS



ABSTRACT : PURPOSE: To provide a visible light inspecting apparatus which can detect and distinguish various kinds of cracks on the surface of an object.

CONSTITUTION: This optically inspecting apparatus has three inspection channels to detect cracks of the surface in a selected region. A first optically inspecting channel 30 irradiates first light beam to the selected region of the surface at small incident angle to form a dark field reflected image and detect the scratches and fine particles. The second optically inspecting channel 80 irradiates diffused second light beam to the selected region to form a bright field reflected image to detect stains. The third optically inspecting channel 120 irradiates third light beam to the selected region at large incident angle to form a bright field reflected image to detect recesses and unevenness.

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